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Dr. Hodge was relieved from the duty of preparing a notice of the life and character of Dr. Dewees.

Stated Meeting, March 3.

Present, twenty-eight members.

Mr. DU PONCEAU, President, in the Chair.

Letters were read:—

From the Geological Society of London, dated 5th January, 1843,—the Royal Academy of Sciences of Berlin, dated 15th August, 1842,—the Society of Arts, &c. dated London, 7th Nov. 1842,—acknowledging the receipt of the Transactions and Proceedings, and announcing the transmission of donations to the Library:—

From R. R. Gurley, Esq., dated Washington, 22d February, 1843, declaring his purpose to transmit to the Society the numbers of the African Repository, as they shall be published:

And from Col. Hugh Mercer, dated Fredericksburg, 18th Feb. 1843, stating that he had forwarded to the Society certain valuable papers, illustrative of the public career of his father, General Mercer.

The following donations were announced:—

FOR THE LIBRARY.

An Account of the Receipts and Expenditures of the United States, for the Year 1841. 8vo. 1843.—*From the Register of the Treasury, U. S.*

Abhandlungen der Königl. Akademie der Wissenschaften zu Berlin, aus dem Jahre, 1840. 4to. Berlin, 1842.—*From the Royal Academy of Berlin.*

Bericht über die zur Bekanntmachung geeigneten Verhandlungen der Königl. Acad. zu Berlin, 1841–1842. 8vo.—*From the same.*

Proceedings of the Royal Astronomical Society of London. Vol. V. Nos. 25, 26. 8vo.—*From the Society.*

Industrie Francaise, Rapport sur l'exposition de 1839, par J. B. A. M. Jobard. 2 Vols. 8vo. Brussels and Paris, 1841, 1842.—*From the Author.*

Reports of the Pennsylvania Hospital for the Insane, &c. &c. By Thomas S. Kirkbride, M.D. 8vo. Philadelphia, 1842.—*From the Author.*

A Discourse on the Death of General Washington, delivered 22d Feb. 1800. By James Madison, D.D., &c. &c. 8vo. Philadelphia, 1831.—*From Col. Hugh Mercer, of Virginia.*

Biographical Sketches of Gen. Hugh Mercer.—*From the same.*

Philadelphia Directory, for 1841.—*From Mr. Du Ponceau.*

Report from the Commissioner of Patents, showing the Operations of the Patent Office, for 1842.—*From Hon. J. R. Ingersoll.*

Congressional Documents: Military Posts, U. S., 1842.—*From the same.*

Prof. Bache referred to the formula of Prof. Apjohn, for connecting the indications of the wet and dry bulb thermometer with the dew-point, to show that its results might approximately be obtained by a sliding scale.

He had constructed a scale for that purpose, in which, by making separate divisions on the moveable part for different heights of the barometer, and for temperatures above and below the freezing point, the correction for the barometer was applied to the scale at the same time that the dew-points above and below 32° were calculated. Mr. Charles M'Euen had very much simplified the original proposal, and Prof. Bache presented a sliding scale made by that gentleman; also a circular turning scale, made according to a suggestion from Mr. Lukens. Either scale is compact, and well adapted to use by observers who employ the wet bulb hygrometer. The approximation to the numbers of the formula is close, the scale referring to a mean tension of vapour, between that at the evaporating point and dew-point, while the corresponding term of the formula refers to the tension at the evaporating point. Prof. Bache observed that in this discussion it was necessary to assume that the formula itself is accurate.

The Committee, appointed at the last meeting, to consider the propriety of celebrating the hundredth anniversary of the Society, reported, and submitted the following resolutions:—

1. *Resolved*, That the American Philosophical Society will celebrate its centennial anniversary on the 25th of May next, and that the members be specially summoned to attend on that day.

2. *Resolved*, That a member of the Society be selected to deliver

a discourse upon the occasion, on the objects of the Society, its history, labours, and prospects.

3. *Resolved*, That a Committee of seven members be appointed, to devise and carry into effect such arrangements as may be proper for the centenary celebration.

The resolutions were adopted: and on motion of Dr. Chapman, Dr. Robert M. Patterson, one of the Vice-Presidents, was unanimously chosen to deliver the anniversary discourse.

Dr. Chapman, Mr. Kane, Dr. Ludlow, Dr. Dunglison, Mr. Fraley, Professor Bache, and Mr. G. W. Smith, were appointed the Committee under the third resolution.

Mr. Walker presented a letter, addressed to him by the City Solicitor, on the subject of the claim made by the City against the Society; which was referred to Mr. Kane, Mr. G. W. Smith, and Mr. Fraley, with instructions to report the state of facts of the case, and what action it is expedient for the Society to take thereon.

Stated Meeting, March 17.

Present, twenty-seven members.

Dr. BACHE, Vice-President, in the Chair.

Mr. Ellwood Morris, a member elect, was presented, and took his seat.

Letters were read:—

From the Imperial Society of Naturalists of Moscow, dated 12/24 Sept., 1842,—the Cambridge Philosophical Society, dated 14th Nov. 1842,—and the New York Historical Society, dated 7th March, 1843,—acknowledging the receipt of the Transactions and the Proceedings of the Society:—

And from the Rev. William Cogswell, D.D., Corresponding Secretary of the Northern Academy of Arts and Sciences, at Hanover, N. H., dated 14th March, 1843, inviting an exchange of publications between the Society and the Academy.